

FORM PTO-1390 (REV 1-98)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 82351.0008
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NUMBER (if known, see 37 C.F.R. 1.5)
INTERNATIONAL APPLICATION NO. PCT/US99/06700		INTERNATIONAL FILING DATE 26 March 1999 (26.03.99)		PRIORITY DATE CLAIMED 27 March 1998 (27.03.98)
TITLE OF INVENTION		NOVEL HIV INTEGRASE INHIBITORS AND HIV THERAPY BASED ON DRUG COMBINATIONS INCLUDING INTEGRASE INHIBITORS		
APPLICANT(S) FOR DO/EO/US		ROBINSON, W., Edward, Jr.; KING, Peter J.; REINECKE, Manfred G.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>				
<p><b>Items 11. to 16. below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information:           <ul style="list-style-type: none"> <li>1. Copy of PCT/IB/332</li> <li>2. Copy of PCT/IB/306</li> <li>3. Copy of PCT/IB/301</li> <li>4. Copy of Response to Written Opinion</li> <li>5. Copy of PCT Published Application</li> <li>6. Verified Statement Claiming Small Entity Status</li> </ul> </p>				

Transmittal Letter to the United States Designated Office (DO/US)—Entry Into National Stage under 35 U.S.C. 371—PTO 1390 [13-7]

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) <b>09/647270</b>	INTERNATIONAL APPLICATION NUMBER PCT/US99/06700	ATTORNEY'S DOCKET NUMBER 82351.0008			
17. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS PTO USE ONLY _____			
<b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5)):</b>					
Neither international preliminary examination fee (37 C.F.R. 1.482) nor international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO of JPO ..... \$[970/485]					
International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$[840/420]					
International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO .... \$[760/380]					
International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$[670/335]					
International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$96					
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$ 670.00			
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).		\$ 130.00			
CLAIMS	NUMBER FILED	NUMBER ALLOWED	NUMBER EXTRA	RATE	
Total claims	23	20	3 LG=\$18/SM=\$ 9	\$18.00	54.00
Independent claims	6	3	3 LG=\$78/SM=\$39	\$78.00	234.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			LG=\$260/SM=\$130 +	\$260.00	\$ 0
TOTAL OF ABOVE CALCULATIONS =					\$ 1,088.00
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 C.F.R. 1.9, 1.27, 1.28).					544.00
SUBTOTAL =					544.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).			+ \$ 0		
TOTAL NATIONAL FEE =					544.00
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property			+ \$ 0		
TOTAL FEES ENCLOSED =					544.00
\$				Amt. Refunded	\$
				Amt. charged	
<p>a. <input checked="" type="checkbox"/> Checks in the amounts of <u>\$544.00</u> and <u>\$ 0</u> to cover the above fees are enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 50-1314 in the amount of <u>\$ 0</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1314. A duplicate copy of this sheet is enclosed.</p>					
NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
HOGAN & HARTSON L.L.P. 500 South Grand Avenue, Suite 1900 Los Angeles, California 90071 Phone: 213-337-6700 Fax: 213-337-6701		SIGNATURE Stefan J. Kirchanski REG.NO. 36,568		EL 589 805 703 US September 27, 2000	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
09/647270

In re application of:

ROBINSON, W. Edward, Jr., et al

Serial No: Unknown

Filed: 27 September 2000

For: NOVEL HIV INTEGRASE INHIBITORS AND HIV  
THERAPY BASED ON DRUG COMBINATIONS  
INCLUDING INTEGRASE INHIBITORS

Art Unit: [ART UNIT]

Examiner: [EXAMINER]

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL"Express Mail" Mailing Label No. EL 589 805 703 US

Date of Deposit: September 27, 2000

Assistant Commissioner for Patents

Box PCT – DO/EO/US

Washington, D.C. 20231

Dear Sir:

I hereby certify that

- two copies of a letter of transmittal
- check in amount of \$ 544.00 as filing fee
- patent application 50 page(s) of specification; 23 claim(s); 1 page(s) of abstract
- 16 sheet(s) of formal drawings
- Copies of: PCT/IB/332; PCT/IB/306; PCT/IB/301; Response to Written Opinion; PCT Published Application; Verified Statement Claiming Small Entity Status
- return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 C.F.R. § 1.10 on the date indicated above and are addressed to:

Assistant Commissioner for Patents  
Box PCT – DO/EO/US  
Washington, D.C. 20231.

Date: September 27, 2000

Hogan & Hartson, LLP  
500 South Grand Avenue, Suite 1900  
Los Angeles, California 90071  
Telephone: 213-337-6700  
Facsimile: 213-337-6701

Ruth Varker

Name of person mailing papers



Signature

09/647270

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Agent's Reference: 36316.00005  
Express Mail Label No. EL 539 011 507 US

UNITED STATES PATENT AND TRADEMARK OFFICE  
UNITED STATES INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY  
(IPEA/US)

Applicant: **THE REGENTS OF THE UNIVERSITY OF  
CALIFORNIA, et al**

International Application No.:  
**PCT/US99/06700**

International Filing Date:  
**26 March 1999 (26.03.99)**

Title: **NOVEL HIV INTEGRASE INHIBITORS AND  
HIV THERAPY BASED ON DRUG  
COMBINATIONS INCLUDING INTEGRASE  
INHIBITORS**

**FACSIMILE /EXPRESS MAIL CERTIFICATE**

Assistant Commissioner for Patents  
Box PCT – RO/US  
Washington, D.C. 20231

Facsimile: (703) 305-3230

Express Mail Label No.: EL 539 011 507 US

Date of Deposit: June 5, 2000

Dear Sir:

I hereby certify that the following attached papers or fees:

**Response to Written Opinion**, including six substitute sheets,

91647270  
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are being sent by facsimile (703) 305-3230 to the Assistant Commissioner for Patents, IPEA/US, Box PCT, Washington D.C. 20231 on the date indicated above. The originals are being deposited with the United States Postal Service for "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and are addressed to Assistant Commissioner for Patents, Box PCT – IPEA/US, Washington, D.C. 20231.

June 5, 2000

\_\_\_\_\_  
Date of Deposit

Ruth Varker

\_\_\_\_\_  
Name of person mailing paper or fee

Ruth Varker

\_\_\_\_\_  
Signature